



Schematic illustration showing how the urban environment and its associated urban canopy layer (UCL), such as buildings, can influence the urban boundary layer (UBL) and atmospheric motion at various scales, including influences on cloud and precipitation development. The three scales shown are: (a) the Mesoscale, from a few kilometers to several hundred kilometers, (b) the smaller Local scale, and (c) the even smaller Microscale. Broad arrows represent prevailing atmospheric flow (from the left here), and smaller arrows represent smaller scale atmospheric flow.